

## **4013 - PUMPING MECHANIC**

### **NATURE OF WORK**

**This is responsible Journeyman's level skilled, technical and supervisory work in the installation, operation, maintenance, and repair of water and sewer pumping and control equipment, installations, and facilities in the City's Public Works Department. Work includes primarily field duties.**

**Emphasis of work is on pumping stations and related facilities. Work involves the performance of and the direction of crews in the performance of all phases of the operation, care, and repair of water, sewer, and control equipment.**

### **ILLUSTRATIVE EXAMPLES OF ESSENTIAL DUTIES**

**Supervises and participates in the work of crews involved in the installation, construction, inspection, maintenance, repair, overhaul, cleaning, and general care of all water and sewer electrical pumping equipment, stations, control facilities, and related equipment and facilities.**

**Trains and evaluates the work of skilled, semi-skilled, and unskilled workers.**

**Investigates indications and complaints of water and sewer line stoppages, leaks, and breaks; pump station and system malfunctions and failures; and other interruptions of service.**

**Transports pumps, motors, other equipment and crews.**

**Conducts routine maintenance, including, but not limited to, lubricating, cleaning, and adjusting all types of pumping related equipment.**

**Cleans, polishes, paints, maintains, and repairs pumping stations and related facilities.**

**Establishes and enforces safety standards and safe operating procedures.**

**May operate heavy equipment including hydraulic crane and forklift.**

**Prepares, maintains, and evaluates employee and equipment operations and performance records and reports.**

**Performs related work as required.**

### **KNOWLEDGE, SKILLS AND ABILITIES**

**Thorough knowledge of: water and sewer pumping standard operations and procedures; and local geography, roadways, and jurisdictional boundaries.**

**Considerable knowledge of: procedures and methods used in the installation, construction, operation, inspection, maintenance, repair, overhaul, cleaning, and general care of all water and sewer pumping equipment, stations, control facilities, and related equipment and facilities, and ability to apply such knowledge.**

**Knowledge of appropriate tools, materials, and machinery and skill in their use.**

**Knowledge of job-related hazards, dangers, and safety standards and procedures.**

**Knowledge of water and sewer systems including supply and distribution lines, pumping and lift stations, control facilities, and other installations.**

**Knowledge of electricity and of methods and practices of the electrical trade.**

**Ability to instruct, train, and supervise personnel in all areas of assignment in a manner which promotes high morale and effective performance.**

**Ability to direct, plan, and organize the work of skilled, semi-skilled, and unskilled employees involved in a variety of tasks.**

**Ability to evaluate the performance of employees, equipment, and operations.**

**Ability to analyze information from a variety of sources, assess a situation, use sound judgment in drawing valid conclusions, and take appropriate actions in situations which may involve the health and safety of citizens.**

**Ability to effectively prioritize duties when dealing simultaneously with numerous functions.**

**Ability to work from blueprints, plans, sketches, and manuals.**

**Ability to operate manual and electrical pumping controls.**

**Ability to read meters, gauges, and charts.**

**Ability to understand and carry out detailed verbal and written instructions.**

**Ability to prepare and maintain accurate comprehensive reports and detailed records.**

**Ability to communicate effectively, verbally and in writing.**

**Ability to maintain effective working relations with other employees, other agencies, and the general public.**

## **MINIMUM REQUIREMENTS**

Two (2) years full-time verifiable experience in maintenance and repair of 40 horsepower sewerage, water, or heavy industrial pumping equipment including related electrical equipment. Driver's license and Class "B" Florida Commercial Driver's License valid for air brakes within 90 days of appointment. Shift work including nights, weekends, and holidays.

## **PHYSICAL REQUIREMENTS**

**Must have the use of sensory skills in order to effectively communicate and interact with other employees and the public through the use of the telephone and personal contact. Continuous walking, moving, climbing, carrying, bending, kneeling, crawling, reaching, and handling, sitting, standing, pushing, and pulling. Ability to lift heavy objects.**

## **SUPERVISION RECEIVED**

**General and specific assignments are received from a technical supervisor. Work is performed according to established procedures with latitude for the use of independent judgment in the selection of work methods and is subject to review for achievement of departmental objectives**

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**and standards.**

### **SUPERVISION EXERCISED**

**Plans, evaluates, and supervises the work of skilled, semi-skilled, and unskilled personnel.**

**Rev. 3/99 (minimum req.)**